

SEMIRARA MINING CORPORATION



Company Profile

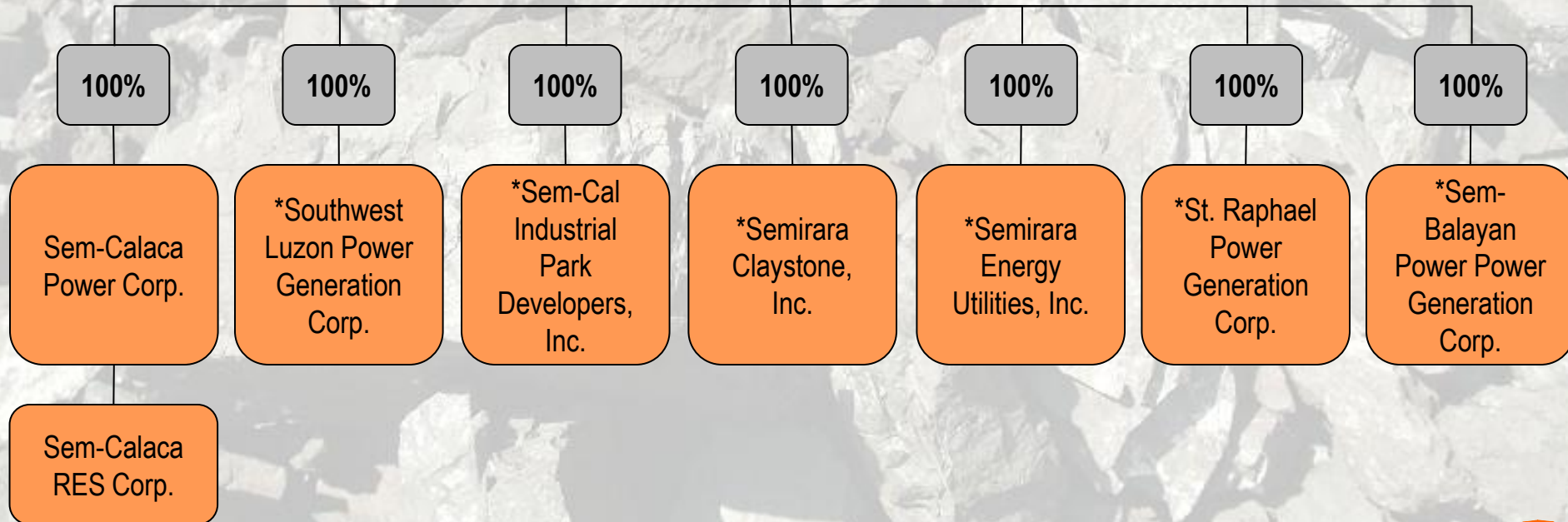


ORGANIZATIONAL STRUCTURE



SEMIRARA MINING CORPORATION

*A member of the DMCI Holdings, Inc.
group of companies*



** pre-operating*



ISLAND PROFILE

**Semirara Island, Caluya
Province of Antique**

**Land Area = 55 sq. km. or
5,500 hectares**

**Three (3) Barangays
Nine (9) Sitios**

Population ~ 16,661

Livelihood – Fishing & Farming

**Manila
350 Km.**

**Calaca
Batangas
250 Km.**

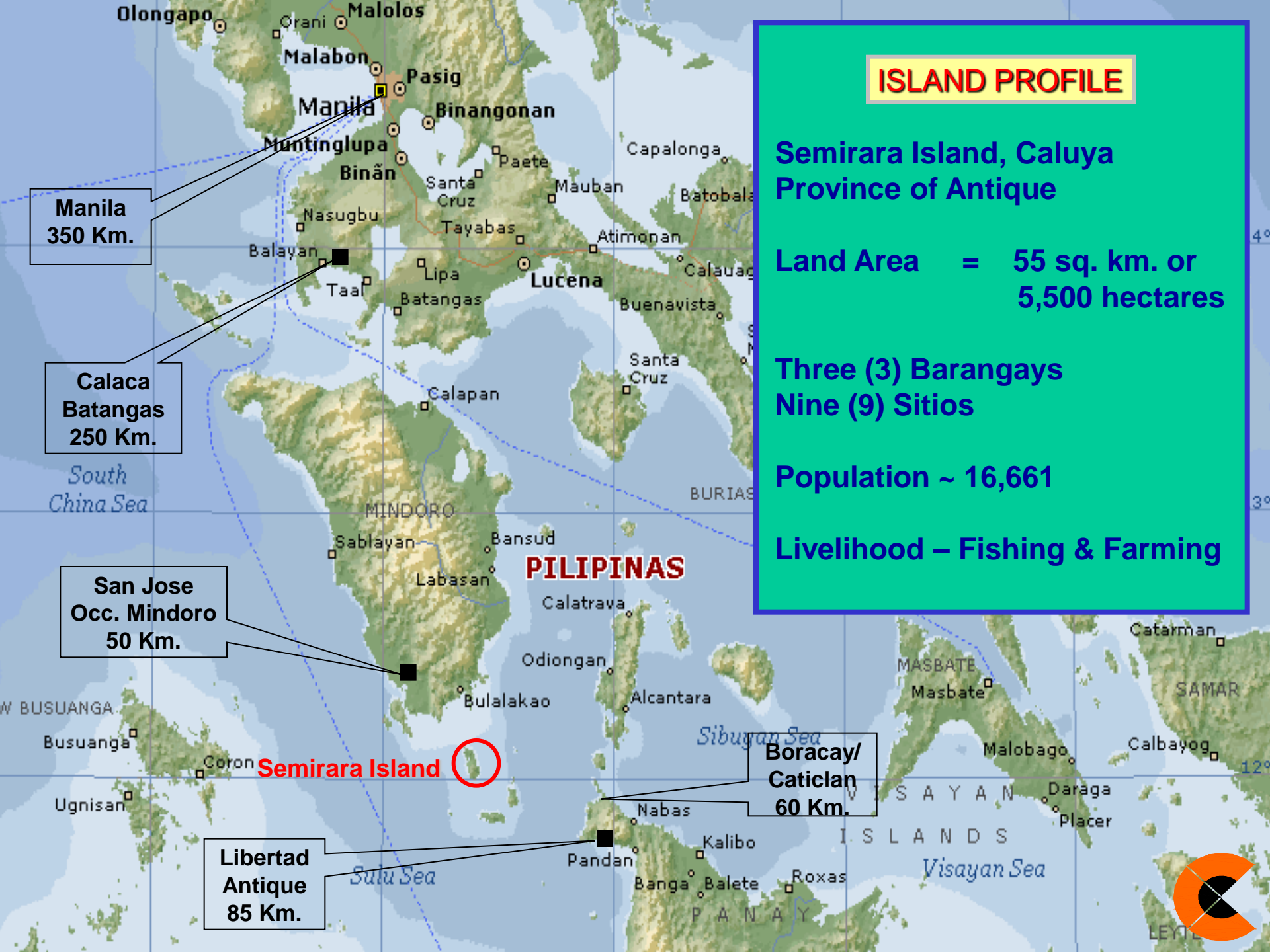
**San Jose
Occ. Mindoro
50 Km.**

**Libertad
Antique
85 Km.**

**Boracay/
Caticlan
60 Km.**

Semirara Island

PILIPINAS



MILESTONES



- **1940** Pres. Quezon through Proclamation # 649 declared the islands of Semirara, Sibay, and Caluya of Antique as coal mining reservation
- **1980** Incorporated in the Philippines as a limited liability company
- **1983** Initial public offering, listing on the Philippines Stock Exchange
- **1984** Commercial production at the Unong mine commenced
- **1997** DMCI Holdings, Inc. (DMCI-HI) purchased 40% interest in Semirara
- **1998** Debt to equity conversion increased DMCI-HI's interest to 74%
Installation of coal washing plant
- **1999** New management team installed by DMCI-HI
- **1999-2000** Unong mine depleted, operations commenced at Panian;
Full shift from continuous to conventional mining system;
- **2004** Capital restructuring increased DMCI-HI's interest to 94.5%;
Declared stock dividend of PHP225m, consisting of 225m common shares;
Authorized capital increased to 1b shares
- **2005** International and Domestic Offering of 105.046m shares, comprising of 46.875m primary shares and 58.171m secondary offering, increased outstanding common shares to 296.875m; DMCI-HI's interest reduced to 60%
- **2007** Maiden voyage carrying 28.8K MTs of coal to Xiamen, China
SEC's Top 20 PLCs for Corporate Governance
- **2008** Coal Operating Contract is extended up to 14 July 2027
BOI Registration as expanding coal producer
ISO Certifications – ISO 9001:2000, ISO14001:2004, OHSAS 18001:2007
Exploratory drilling activities indicated substantial coal deposits
Silver Awardee for SEC's Top PLCs for Corporate Governance



MILESTONES



- **2009** Acquisition of 2 x 300 MW Calaca power plants (Sem-Calaca Power Generation Corp.)
Silver Awardee for SEC's Top PLCs for Corporate Governance
- **2010** Stock Rights Offering of 59.375m shares increased outstanding common shares to 356.25m
Silver Awardee for SEC's Top PLCs for Corporate Governance
Most Committed to a Strong Dividend Policy, Finance Asia Magazine's 10th Annual Best Managed Company's Poll
- **2012** Financial close of PHP 11.5 billion project debt facility to finance Phase 1 expansion
Commence Phase I power expansion of 2x150 MW in Calaca (Southwest Luzon Power Generation Corp.)
BOI Registration of Bobog Mine under non-pioneer status, maximum of 8 years
- **2013** 2nd Runner Up, ASEAN Best Practices in Coal Projects – CSR category, 2013 ASEAN Coal Energy Awards
6th among Most Committed to a Strong Dividend Policy, Finance Asia Magazine's 13th Annual Best Managed Company's Poll
Among the top 10 finalists (out of 289 PLCs) in 2013 PSE Bell Awards for Corporate Governance
Awarded 2 new mining areas (Mindoro and Mindanao)
Incorporated 2 new corporations for power capacity expansion
- **2014** 4th among Most Committed to a Strong Dividend Policy and
9th Best Corporate Social Responsibility, Finance Asia Magazine's
14th Annual Best Managed Company's Poll



MILESTONES

Investment in Sem-Calaca



The 2 x 300 MW coal-fired power plants in Calaca, Batangas was acquired by the Company in 2 December 2009 for \$361.7 M



SEMIRARA RESOURCES

Coal and Other Reserves

► Coal Reserves

Open Pit 146 million mt
Remaining as of Jan .1, 2014

Underground 12 million mt
Initial for Tuong

► Other Minerals

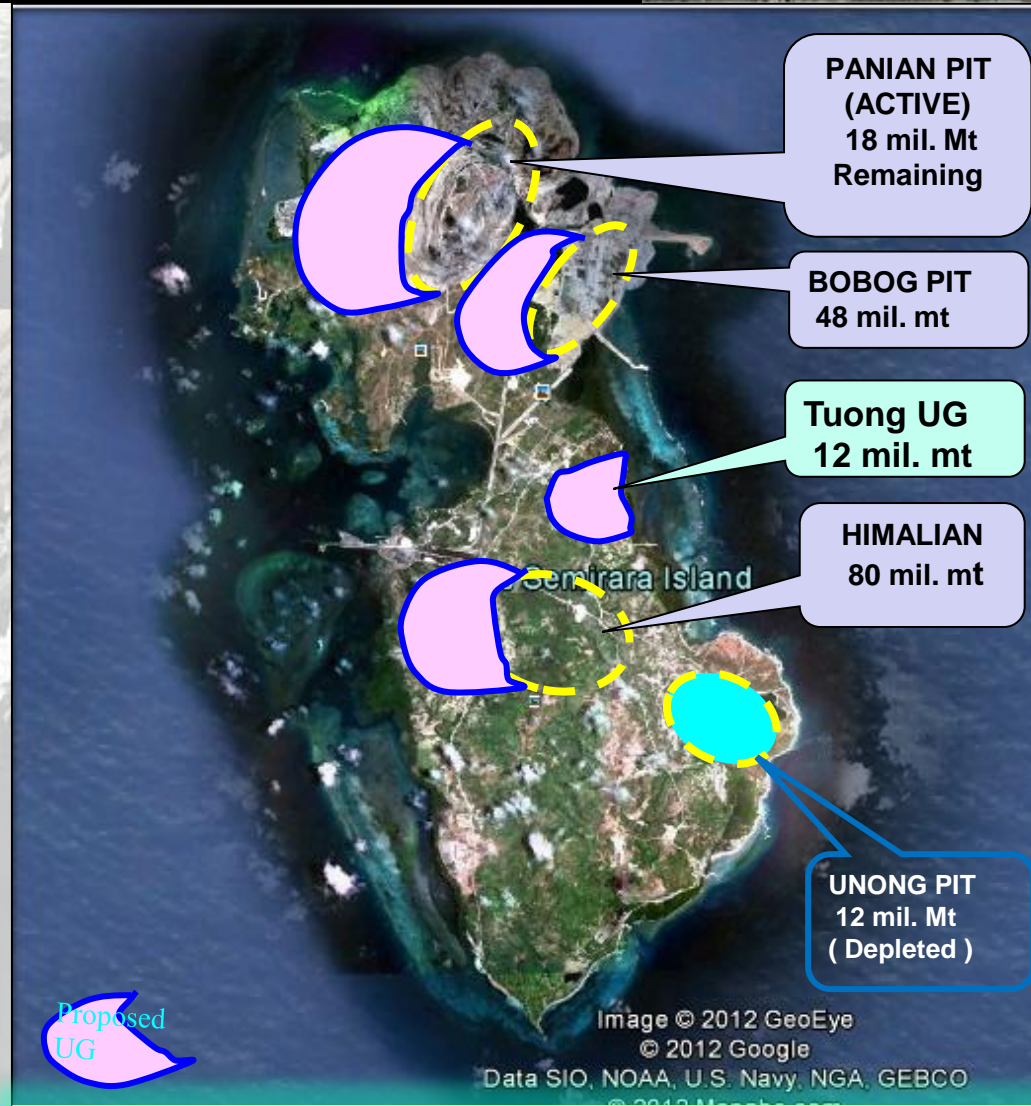
Limestone 1.2 Billion Mt
Clay..... 2.9 Million Mt

► Earlier Studies Conducted by:

AustroMineral Contractors, 1980-85
Dames & Moore, 1982
Geomontan, 1990
Monenco Consultants Limited, 1990

► Inhouse Drilling (2006-present)

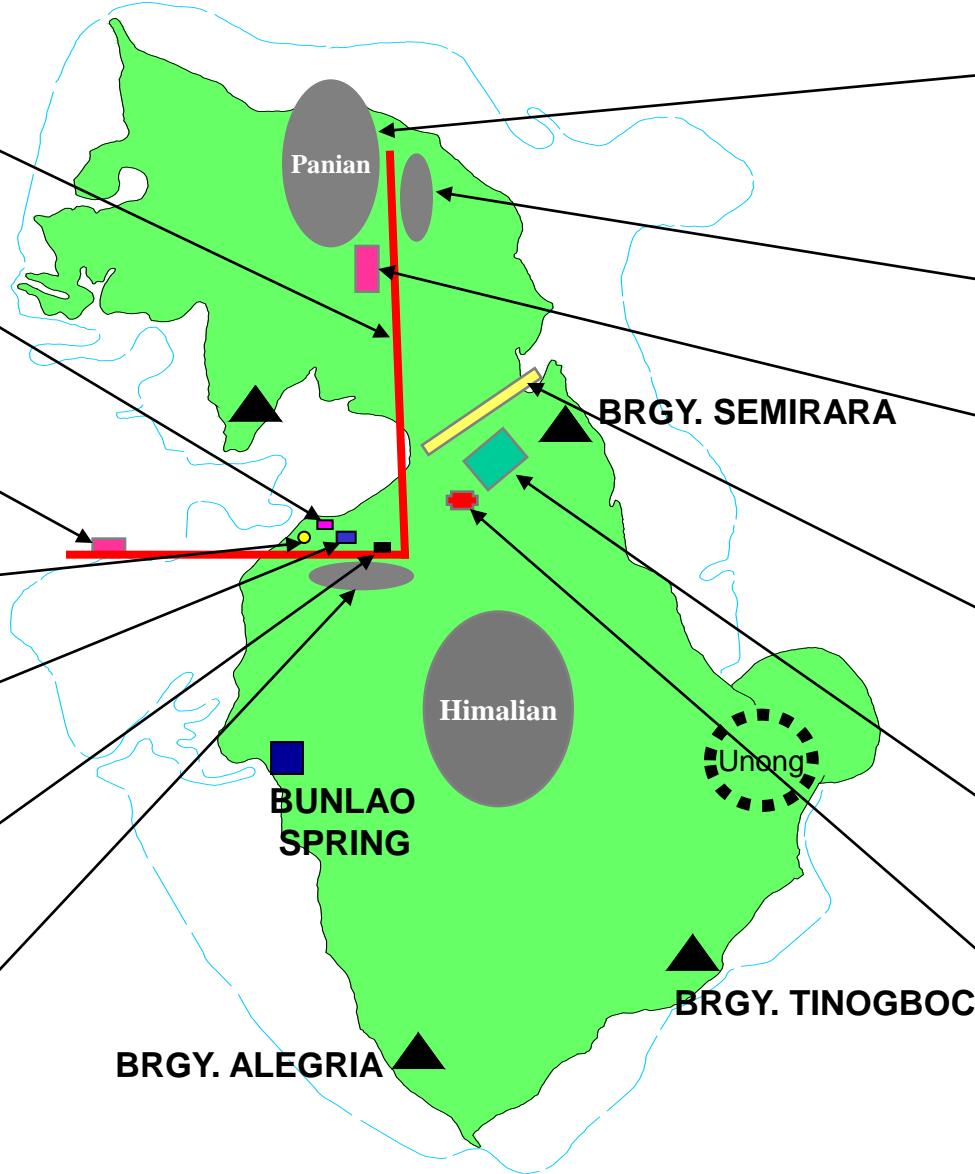
690 Exploration & confirmatory drill holes



Total Land Area = 55 sq.km (5,500 hectares)

SEMIRARA RESOURCES

Facilities



PRODUCTION



& OPERATIONS

PRODUCTION FLOW DIAGRAM



5



Washing



6



Blending & Pre-acceptance



7

Shiploading



4 Stockpiling



Washable
Coal



Clean
Coal



3 Hauling,



2 Coal Extraction



1 Waste Stripping



COAL SPECIFICATIONS



PARAMETER	TYPICAL		
Gross Calorific Value, Btu/lb (Air Dried)	8,700	-	10,000
Gross Calorific Value, Btu/lb (As Received)	7,300	-	9,000
Proximate Analysis		-	
Ash %	6	-	17
Fixed Carbon %	33	-	44
Volatile Combustible Matter	34	-	40
Total Sulfur, % (Air Dried, ASTM D2015)	0.20	-	1.00
Total Moisture, % (As Received)	21	-	29
Residual Moisture, % (Air Dried)	8	-	18
<u>Hardgrove Grindability Index</u>	40	-	50
Size, mm	50	-	200



MINING EQUIPMENT

Capacity

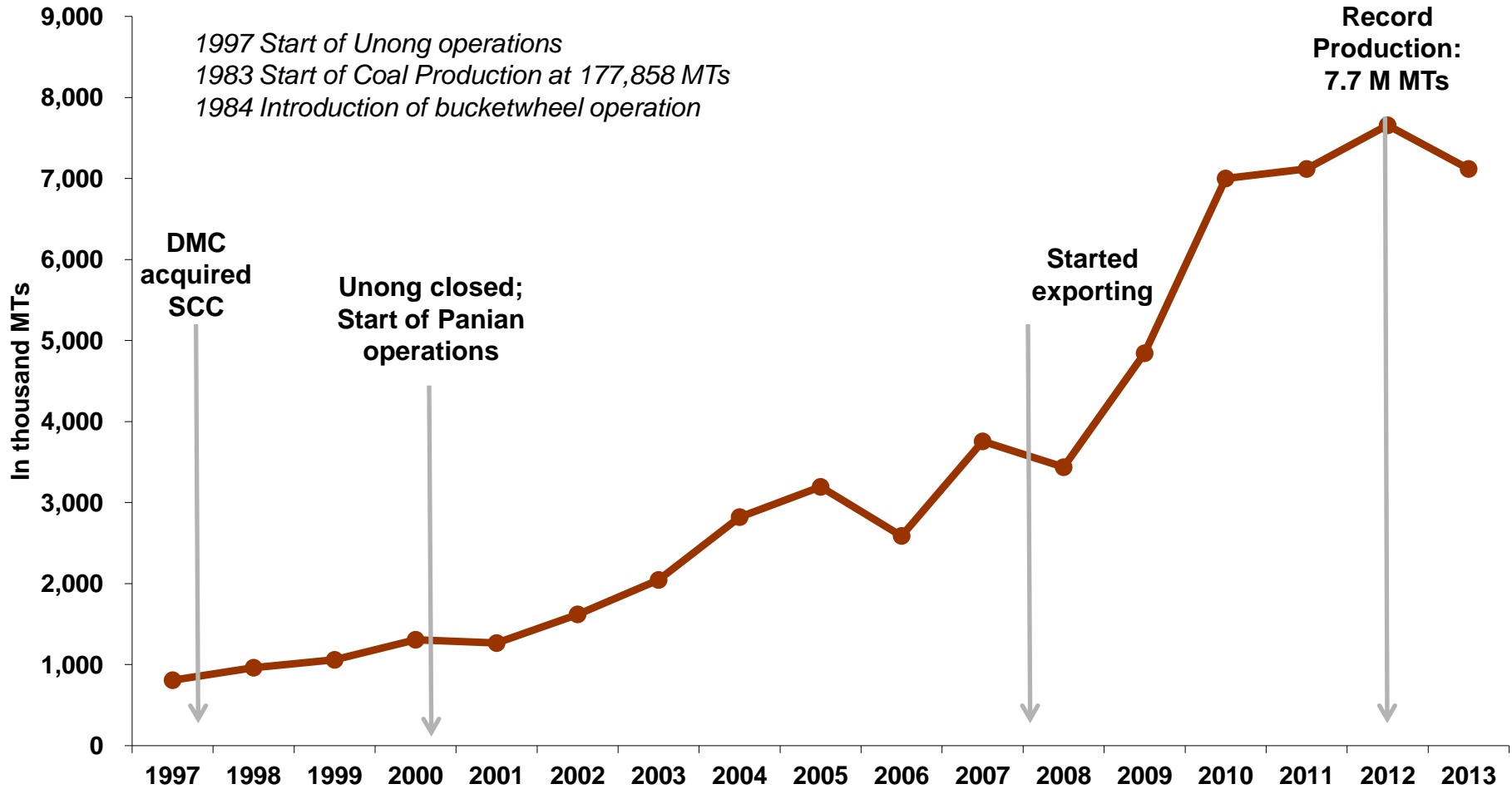


EQUIPMENT	# OF UNITS							
	2007	2008	2009	2010	2011	2012	2013	2014
LOADING								
16 m ³ Excavators	5	7	7	7	8	16	2	4
15 m ³ Excavators			2	5	5	5	8	8
12 m ³ Excavators	-	3	4	4	4	4	8	8
7 m ³ Excavators	5	7	4	2	2	2	2	1
TOTAL	10	17	17	18	19	27	20	21
HAULING								
100-tonne Dump Trucks	56	73	102	121	121	120	107	120
SUPPORT								
Dozers	14	19	19	29	26	25	25	25
Motor Graders	5	5	6	6	6	6	5	5
Water Trucks	3	4	4	6	6	7	4	4
Small Power Shovels	3	6	10	12	15	12	14	14
Crusher	2	2	2	2	0	0	0	0
Crane					2	2	4	4
Drilling Machine / Eqpt					1	21	21	20
TOTAL	27	36	41	55	56	73	73	72
FLEET CAPACITY (M bcm)	32	38	62	80	85	80	82	82



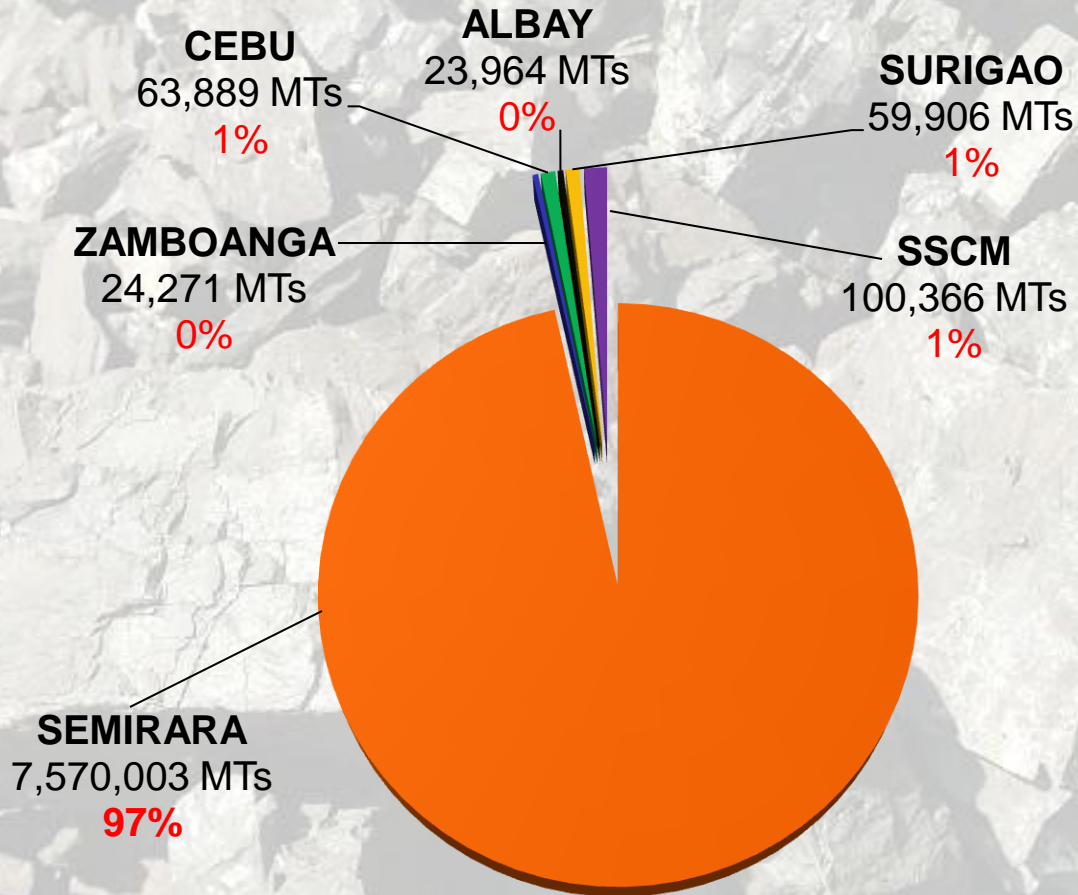
HISTORICAL COAL PRODUCTION

Unong and Panian Annual Coal Production



2013 PHILIPPINE ROM COAL PRODUCTION

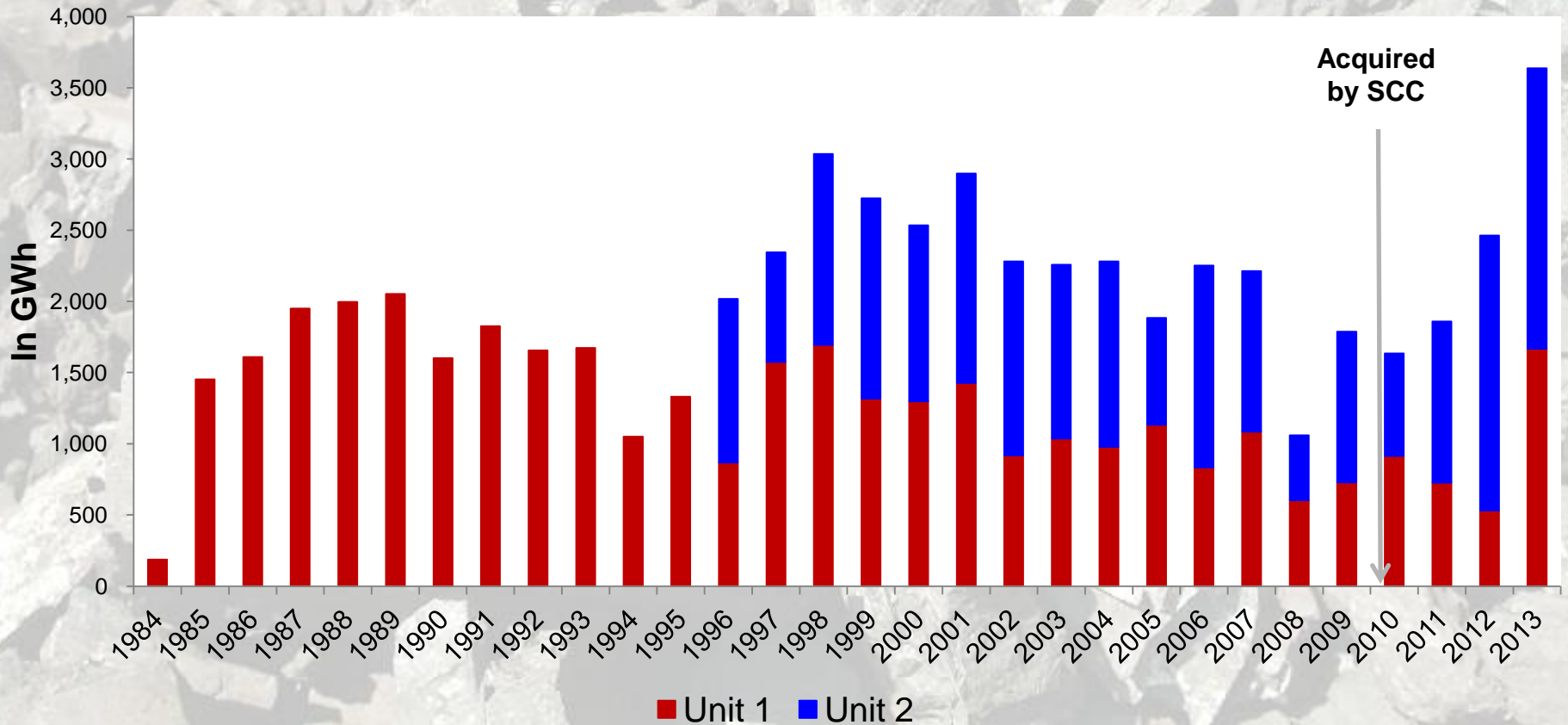
In metric tons



Total: 7.84 M MTs



CALACA HISTORICAL GROSS ENERGY GENERATION



SALES



& MARKETING

PHILIPPINE CUSTOMERS



Petron Corp.
Lima, Bataan

Asia Pacific Energy Corp.
Pampanga

United Pulp and Paper Co., Inc.
Calumpit, Bulacan

PNOC Exploration Corp.
North Harbor, Manila

Jet Power Corp.
North Harbor, Manila

Sem-Calaca Power Corp.
San Rafael, Calaca, Batangas

Eagle Cement Corp.
Bulacan

HOLCIM Philippines Inc.
Norzagaray, Bulacan

Solid Cement Corp.
Antipolo City, Rizal

Lafarge Cement Corp.
Bulacan

Lafarge-Republic Cement Corp.
Batangas

APO Cement Corp.
Naga, Cebu

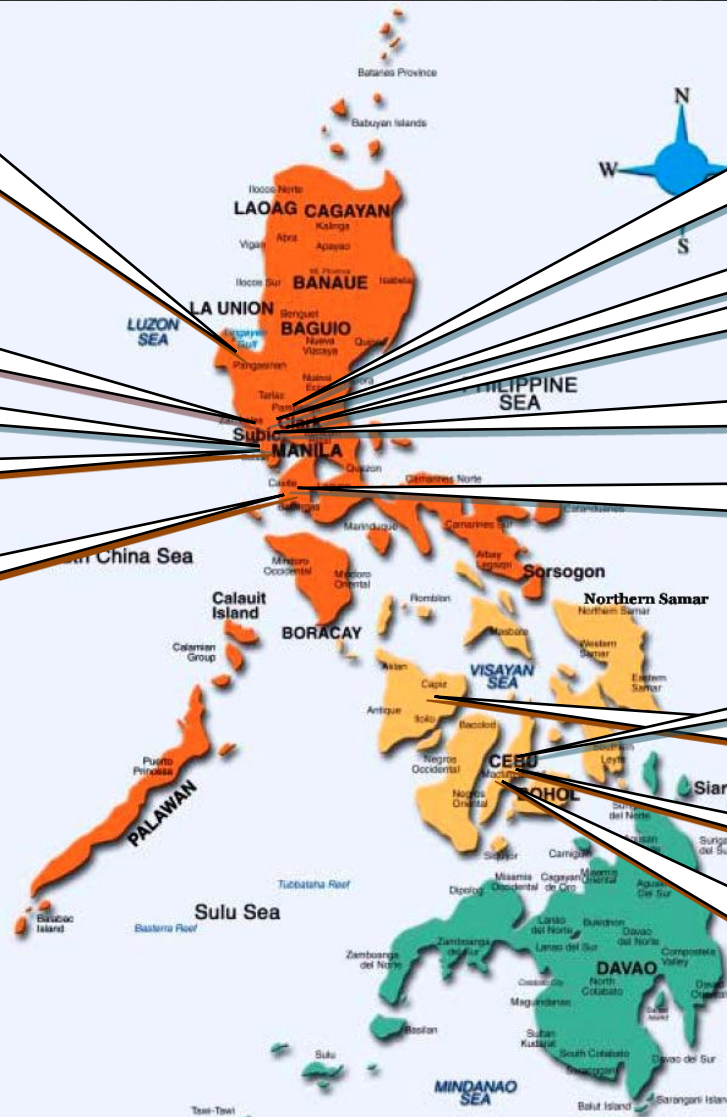
Panay Energy Development Corp.
Iloilo, City

Cebu Energy Dev't Corp.
Toledo City, Cebu

Toledo Power Corp.
Toledo City, Cebu

Legend:

- Cement Plants
- Power Plants
- Other Plants

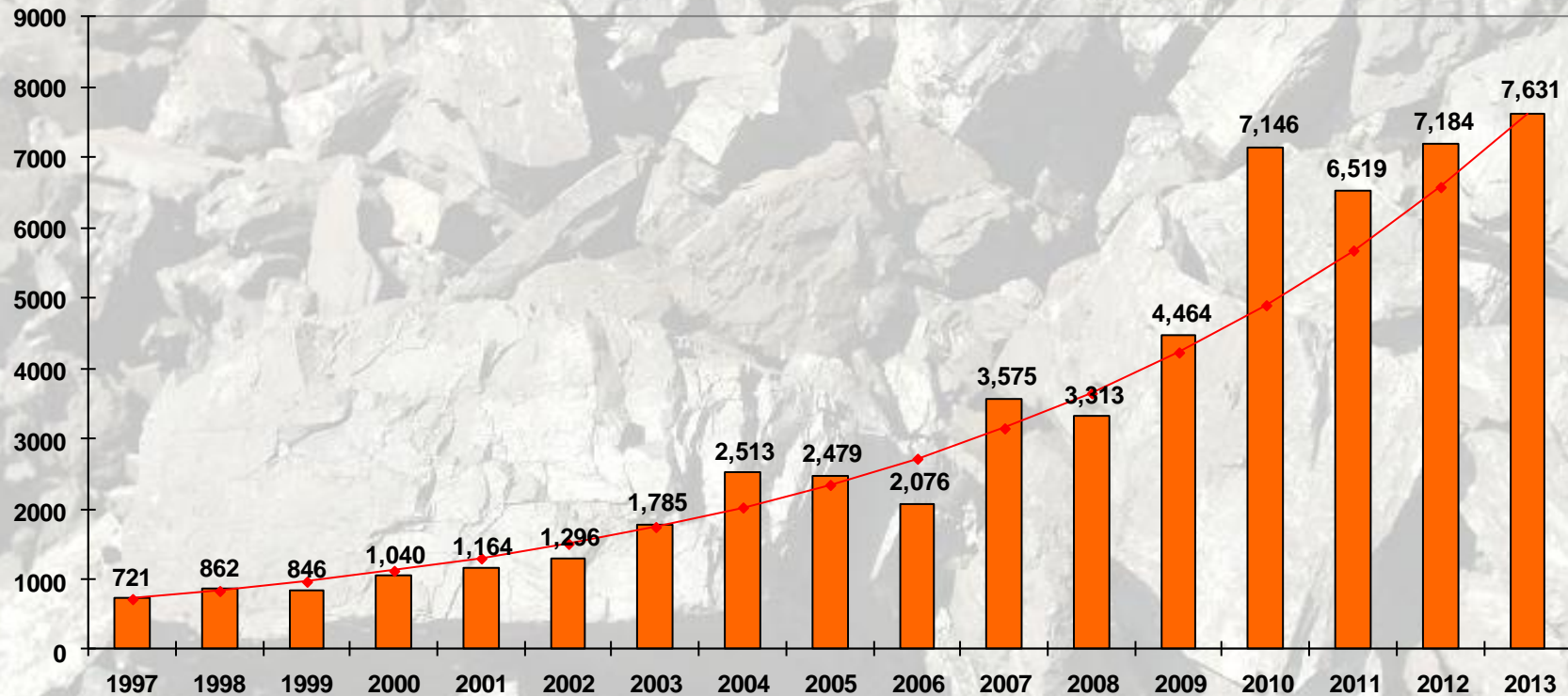


EXPORT MARKETS



SALES VOLUME

In '000 MTs

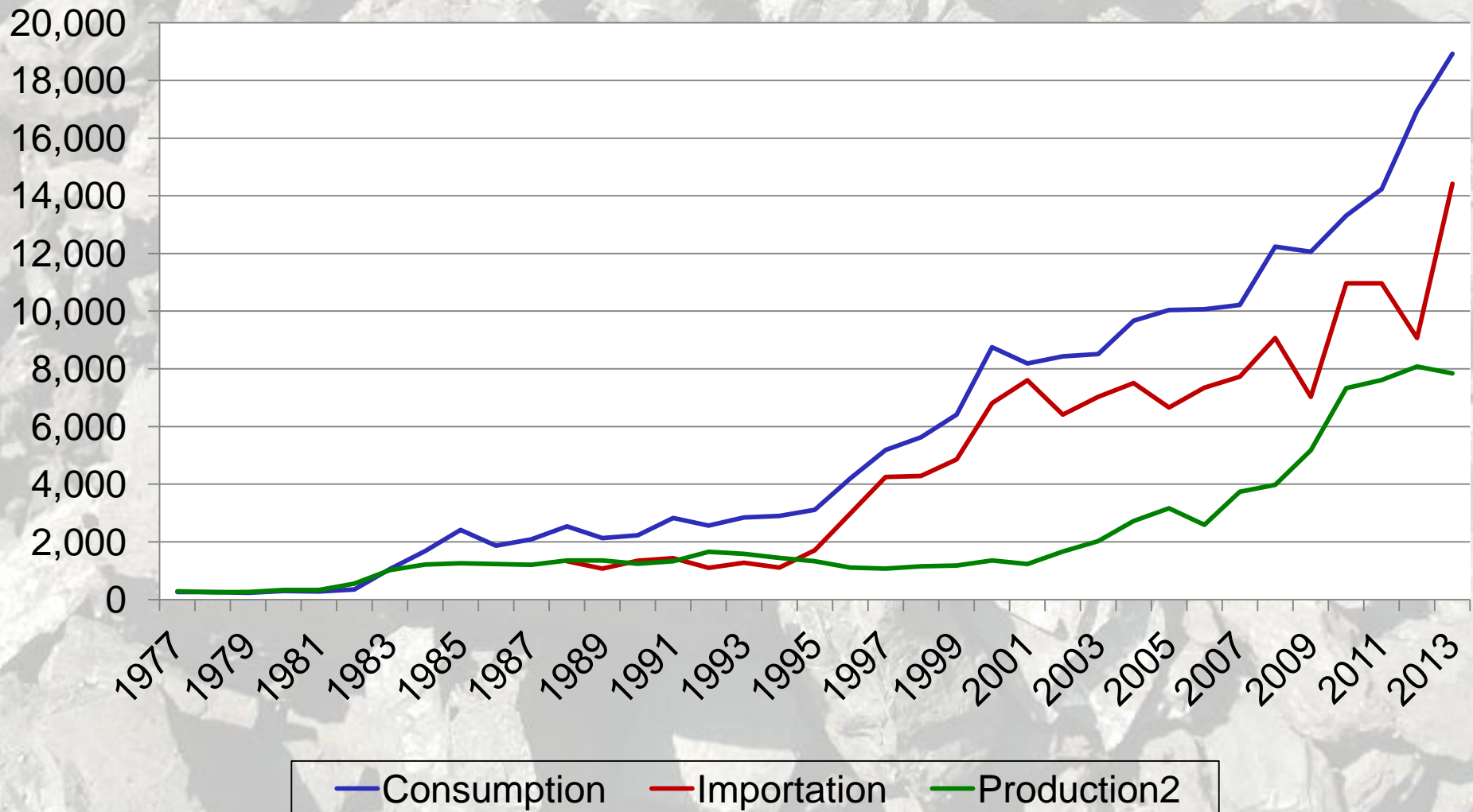


Average annual growth rate: 16%



PHILIPPINE COAL PRODUCTION, IMPORTATION & CONSUMPTION

1977 – 2013 (in million metric tons)

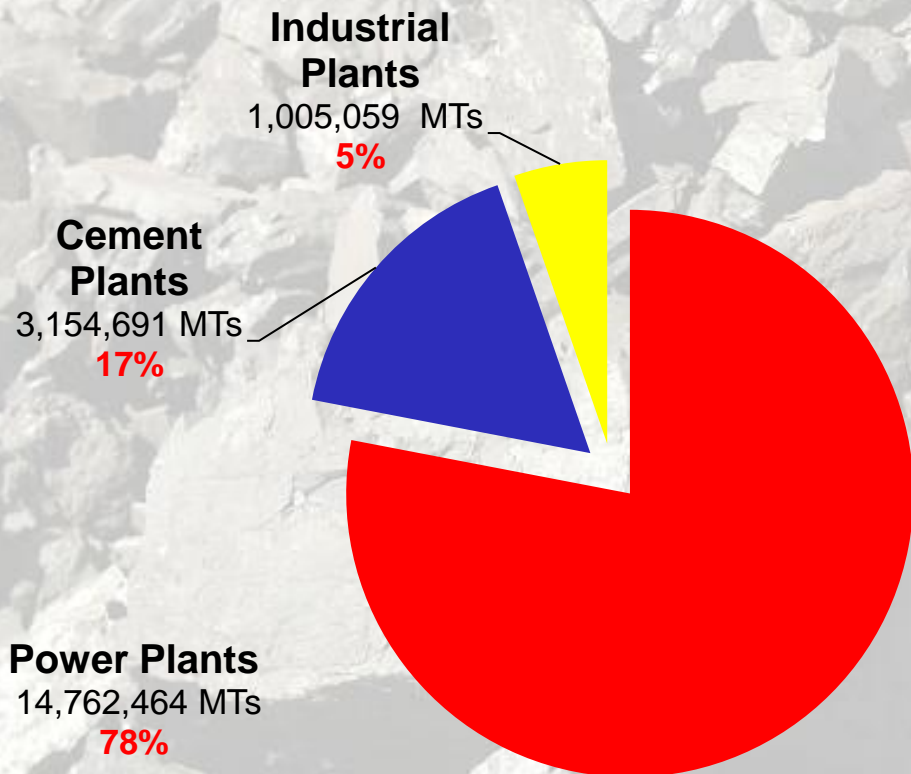


Source: DOE

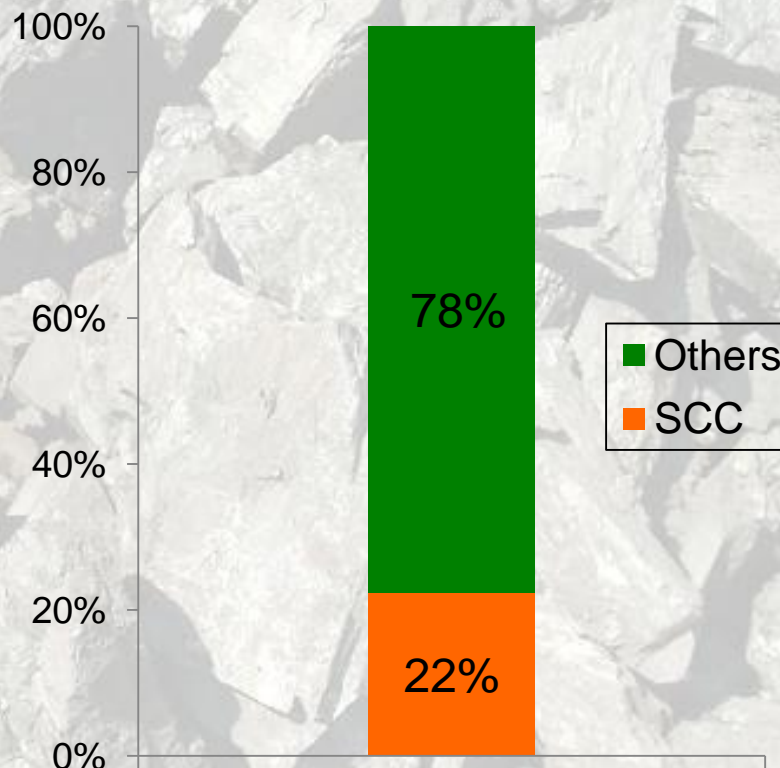
SCC PHILIPPINE MARKET SHARE



2013 COAL CONSUMPTION



SCC MARKET SHARE



**Total Local Consumption:
18.92 M MTs**

Source: DOE



EXISTING COAL-FIRED POWER PLANTS



2 x 647 MW Sual Coal-Fired Power Plant, Pangasinan (TeaM Energy)

2 x 315 MW Masinloc Coal-Fired Power Plant, Pangasinan (AES)

50 MW CFB APEC Coal-Fired Power Plant, Pampanga (TIPCO)

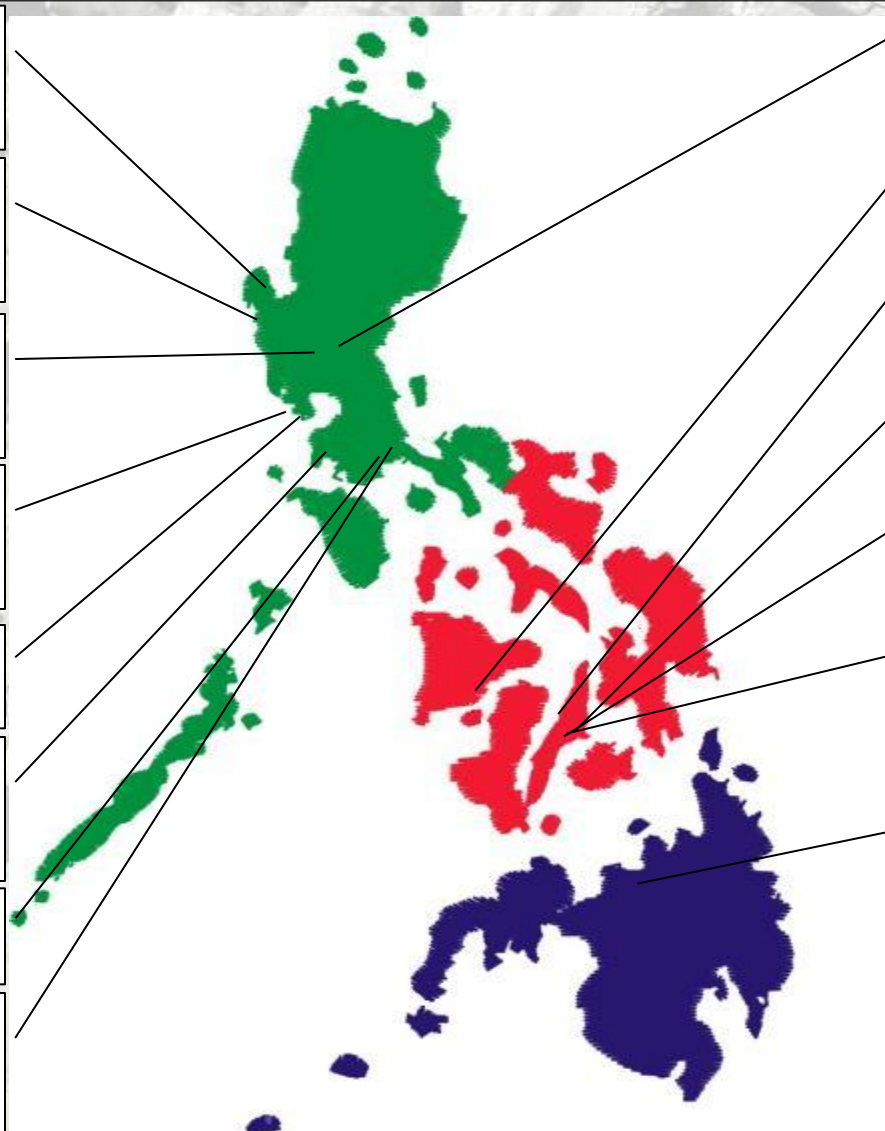
2 x 600 MW CFB Mariveles Coal-Fired Power Plant, Bataan (GN Power) 2012

70 MW Petron Coal-Fired Power Plant, Limay Bataan

2 x 300 MW Batangas Coal-Power Plant, (SEM-Calaca/DMCI Group)

456 MW QPPL Coal-Fired Power Plant, (Quezon Power)

2 x 382 MW Pagbilao Coal-Fired Power Plant, Quezon (TeamM Energy)



25 MW CFB UPPC Coal-Fired Power Plant, Bulacan (UPPC)

3 x 82 MW CFB PEDC, Iloilo (Global Business Power Corp.)

3 x 82 MW CFB CEDC, Cebu (Global Business Power Corp.)

2 x 50 MW CFB CTPP, Cebu (Salcon Power Corp.)

2 x 100 MW CFB KSPC, Cebu (KEPCO-Salcon)

89 MW Toledo Power Corp., Cebu (Global Business Power Corp.)

2 x 105 MW Mindanao Coal-Fired Power Plant, Misamis Oriental (STEAG)



COMMITTED POWER PROJECTS



Luzon Grid Committed Power Projects

Proponent	Location	Type	Rated Capacity (MW)	Project Costs (PHP Billion)	Target Commissioning
South Luzon Thermal Energy Corp. (SLTEC)	Puting Bato, West, Calaca, Batangas	Coal-Fired	135.0	12.9	August 2014
South Luzon Thermal Energy Corp. (SLTEC)	Puting Bato, West, Calaca, Batangas	Coal-Fired	135.0	9.6	November 2015
Southwest Luzon Power Generation Corp. (SLPGC)	San Rafael, Calaca, Batangas	Coal-Fired	300.0	45.4	October 2014
San Jose 1 Power Corp.	Brgy. Tulat, San Jose, Nueva Ecija	Biomass	9.9	1.2	November 2014
Energy Development Corp.	Sitio Burgos, Ilocos	Wind	87.0	32	December 2014
TOTAL			666.9	101.1	

Visayas Grid Committed Power Projects

Proponent	Location	Type	Rated Capacity (MW)	Project Costs (PHP Billion)	Target Commissioning
Toledo Power Corporation	Toledo City, Cebu	Coal-Fired	82.0	10.2	September 2014
Energy Development Corp.	Nasuji, Valencia, Negros Or.	Geothermal	50.0	4.0	August 2014
Sunwest Water & Electric Co., Inc.	Brgy. Igsoro, Bugasong, Antique	Hydro	8.0	1.4	May 2014
San Carlos BioPower Corp.	San Carlos City, Negros Occ.	Biomass	18.0	1.7	March 2015
Petrogreen Energy Corp.	Brgy. Pawa, Nabas, Aklan	Wind	50.0	5.4	December 2014
Trans-Asia Oil Renewable Energy Corp.	San Lorenzo, Guimaras	Wind	54.0	4.3	August 2014
TOTAL			262.0	27	

Mindanao Grid Committed Power Projects

Proponent	Location	Type	Rated Capacity (MW)	Project Costs (PHP Billion)	Target Commissioning
Peak Power Soccsargen Inc.	SocSarGen	Biomass	20.9	0.250	September 2014
Peakpower San Francisco Inc.	SocSarGen	Biomass	5.2		September 2014
Therma South, Inc.	Brgy. Binugao, Toril, Davao Brgy. Inawayan, Davao del Sur	Coal-Fired	150.0	12.0	March 2015
TOTAL			176.1	12.25	

Source: DOE

CEMENT & INDUSTRIAL COAL END-USERS



Source: DOE/ERDB, 11 Jul 2012



2013 INSTALLED CAPACITY & DEPENDABLE CAPACITY

In MW

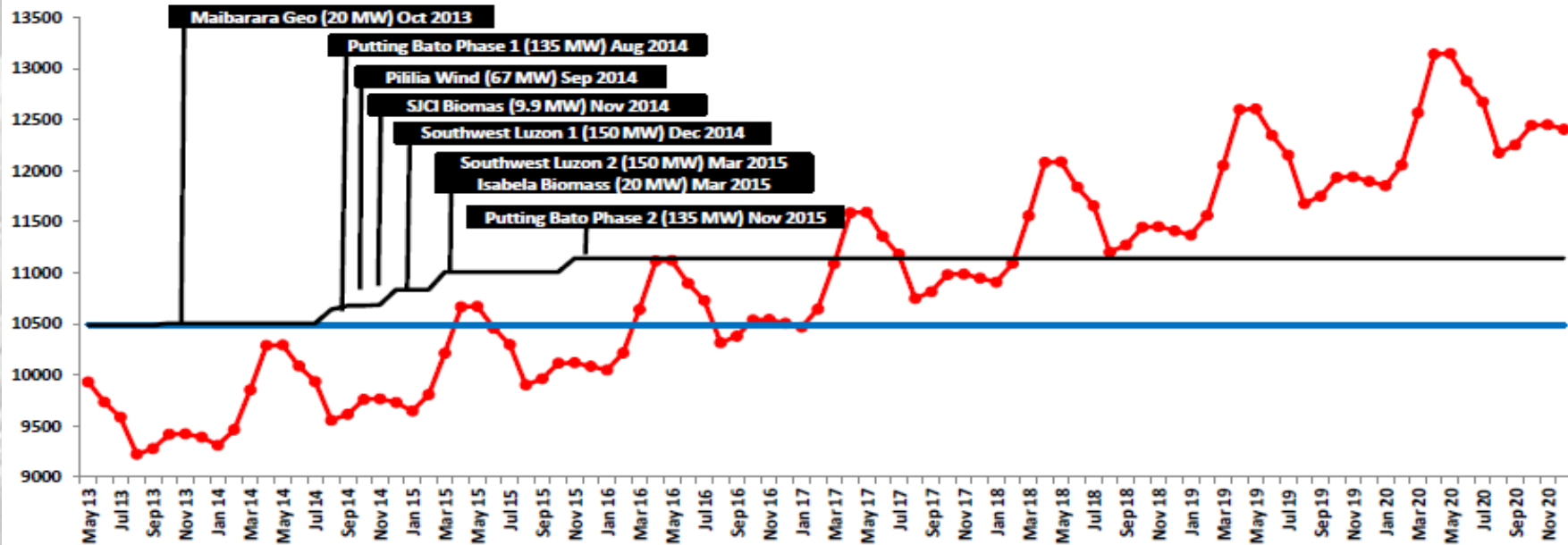


SOURCE	Installed			Dependable			Total	
	Luzon	Visayas	Mindanao	Luzon	Visayas	Mindanao	Installed	Dependable
Coal	4,531	806	232	4,219	777	210	5,568	5,206
Oil	1,778	670	625	1,586	505	470	3,074	2,561
Natural Gas	2,861	1		2,759	1		2,862	2,760
Geothermal	824	915	108	587	777	98	1,848	1,462
Hydro	2,462	11	1,047	2,147	11	826	3,521	2,984
Wind	33			17			33	17
Solar			1			0.3	1	0.3
Biomass	38	44	36	34	32	10	119	76
TOTAL	12,528	2,448	2,049	11,349	2,103	1,614	17,025	15,066

Source: DOE



LUZON SUPPLY & DEMAND OUTLOOK 2013-2020



Start of Critical Periods

—●— Projected Demand
 — Available Capacity
 — Available+Committed

On Available Capacity:

- Apr-May 2015: Projected Deficit of 184 MW
- Mar-Jul 2016: Projected Deficit of 240 to 635 MW

On Available Capacity + Committed:

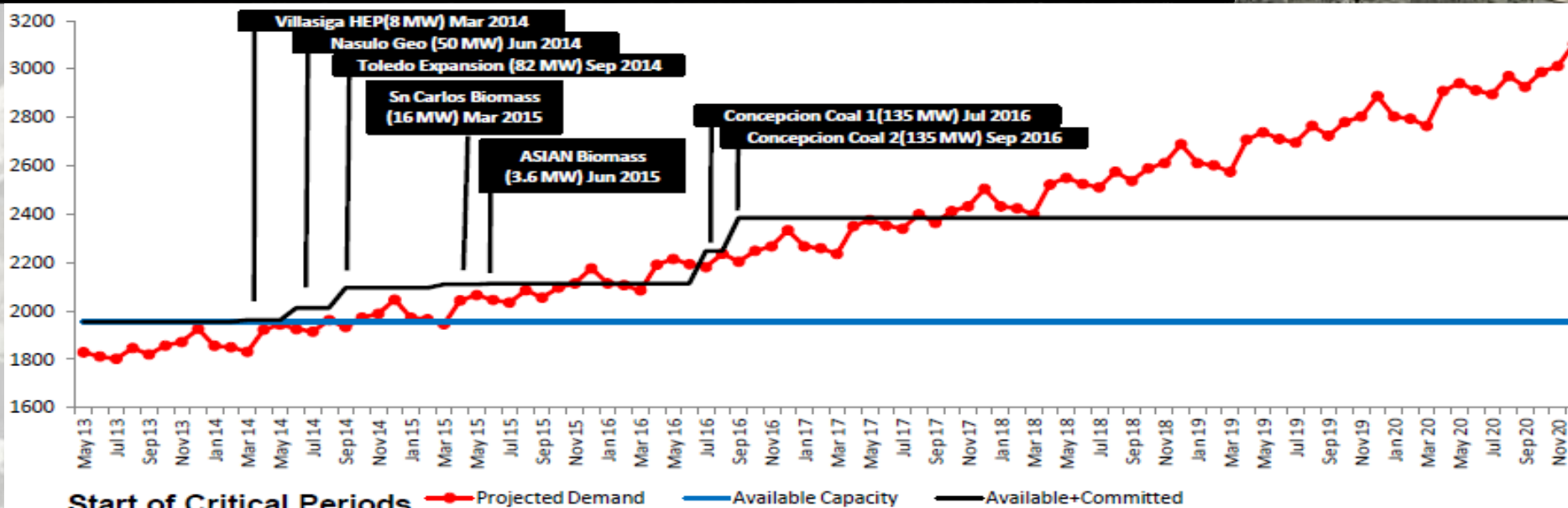
- Apr-Jun 2017: Projected Deficit of 200 to 450 MW
- Mar-Dec 2018: Projected Deficit of 270 to 940 MW

Notes

- Demand curve as plotted includes total of peak demand and required Reserve Margin (RM) i.e. 4% regulating reserve and contingency and dispatchable reserve requirement
- 4.2 % peak demand growth rate resulted from observed 0.6 elasticity ratio of demand for electric power with national economic growth applied to 7 percent GDP growth rate (GR) target for 2013-2015.
- 4.8 % peak demand growth rate resulted from observed 0.6 elasticity ratio of demand for electric power with national economic growth applied to 8 percent GDP growth rate (GR) target for 2016-2020.
- Assumed 6.6 percent average forced outage of the total dependable capacity



VISAYAS SUPPLY & DEMAND OUTLOOK 2013-2020



Start of Critical Periods —●— Projected Demand — Available Capacity — Available+Committed

On Available Capacity:

- Nov-Dec 2014: Projected Deficit of 30 to 90 MW
- Apr-Dec 2015: Projected Deficit of 80 MW to Max 220 MW

On Available Capacity + Committed:

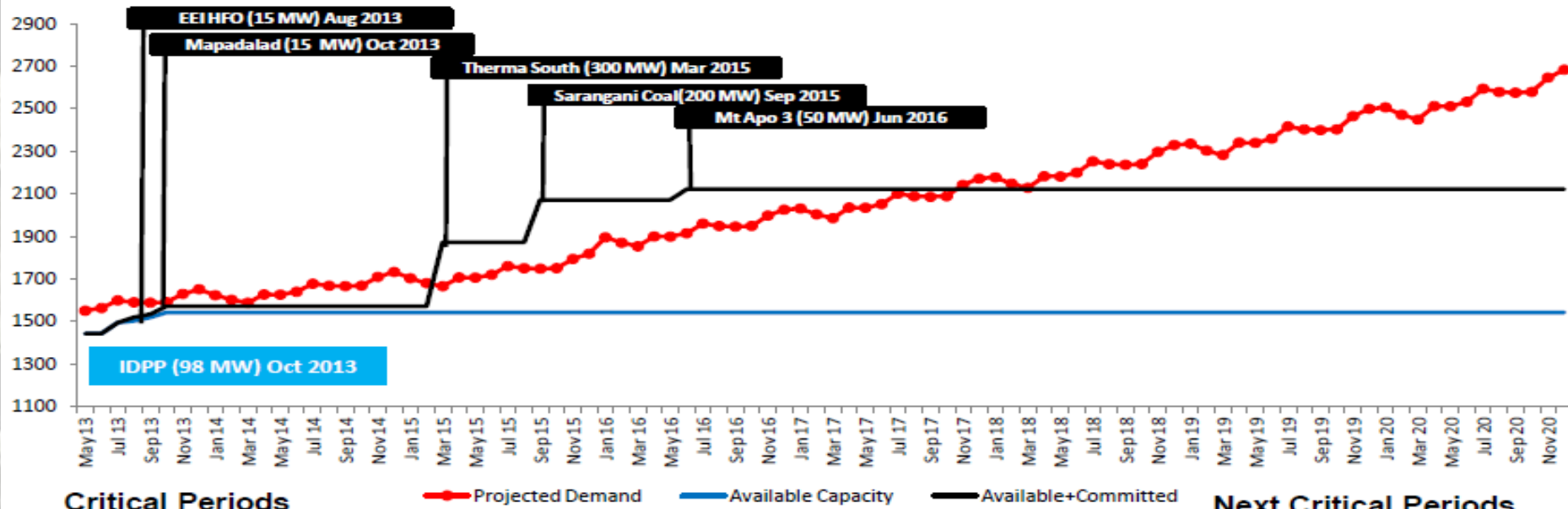
- Dec 2015: Projected Deficit of 60 MW
- Apr-Jun 2016: Projected Deficit of 70 to 100 MW
- Dec 2017-Dec 2018: Projected Deficit of 120 to 305 MW

Notes

- Demand curve as plotted includes total of peak demand and required Reserve Margin (RM) i.e. 4% regulating reserve and contingency and dispatchable reserve requirement
- 7% peak demand growth rate resulted from observed 1 elasticity ratio of demand for electric power with national economic growth applied to 7 percent GDP growth rate (GR) target for 2013-2015.
- 8% peak demand growth rate resulted from observed 1 elasticity ratio of demand for electric power with national economic growth applied to 8 percent GDP growth rate (GR) target for 2016-2020.
- Assumed 7 percent average forced outage of the total dependable capacity



MINDANAO SUPPLY & DEMAND OUTLOOK 2013-2020



Critical Periods

● Projected Demand
 — Available Capacity
 — Available+Committed

Next Critical Periods

On Available Capacity:

- 2013: Projected Deficit of 50 to 110 MW
- 2014: Projected Deficit of 50 to 190 MW
- 2015: Projected Deficit 120 to 280 MW

On Available Capacity + Committed:

- Jan-Feb 2015: Projected Deficit of 100 to 130 MW
- Nov-Dec 2017: Projected Deficit of 20 to 50 MW
- 2018: Projected Deficit of 50 to 200 MW

Notes

- a. Demand curve as plotted includes total of peak demand and required Reserve Margin (RM) i.e. 4% regulating reserve and contingency and dispatchable reserve requirement
- b. 5.6 % peak demand growth rate resulted from observed 0.8 elasticity ratio of demand for electric power with national economic growth applied to 7 percent GDP growth rate (GR) target for 2013-2015.
- c. 12.8 % peak demand growth rate resulted from observed 1.6 elasticity ratio of demand for electric power with national economic growth applied to 8 percent GDP growth rate (GR) target for 2016
- d. 8 % peak demand growth rate resulted from observed 1 elasticity ratio of demand for electric power with national economic growth applied to 8 percent GDP growth rate (GR) target for 2017-2020
- e. Assumed 3.41 percent average forced outage of the total dependable capacity

Source: DOE



FINANCIAL

AS OF 10:15
 PSE 3420.58 22.10
 FIN 760.23 2.14

HDC 2345.22 23.74
 IND 5330.97 25.28
 PRO 1255.13 14.38

pse THE PHILIPPINE STOCK EXCHANGE, INC.

TOP TEN GAINERS

STOCK	VALUE	PRICE	CHANGE	%CHANGE
PEP	030	032	030	1500000
PNB	3550	3600	275	500000
PNX	690	100	690	358800
PO	260	240	285	850000
POPI	040	043	042	
PRC	210	230	210	
PRIM	200	209	202	
PSB	5100	5150	5150	1000
PSE	25150	26000	26000	120
RCB	2050	2075	2050	77400
RCM	425	440	430	
REG	154	152		
RLC	1375	1400	1400	69700
ROX	260	295	255	69700

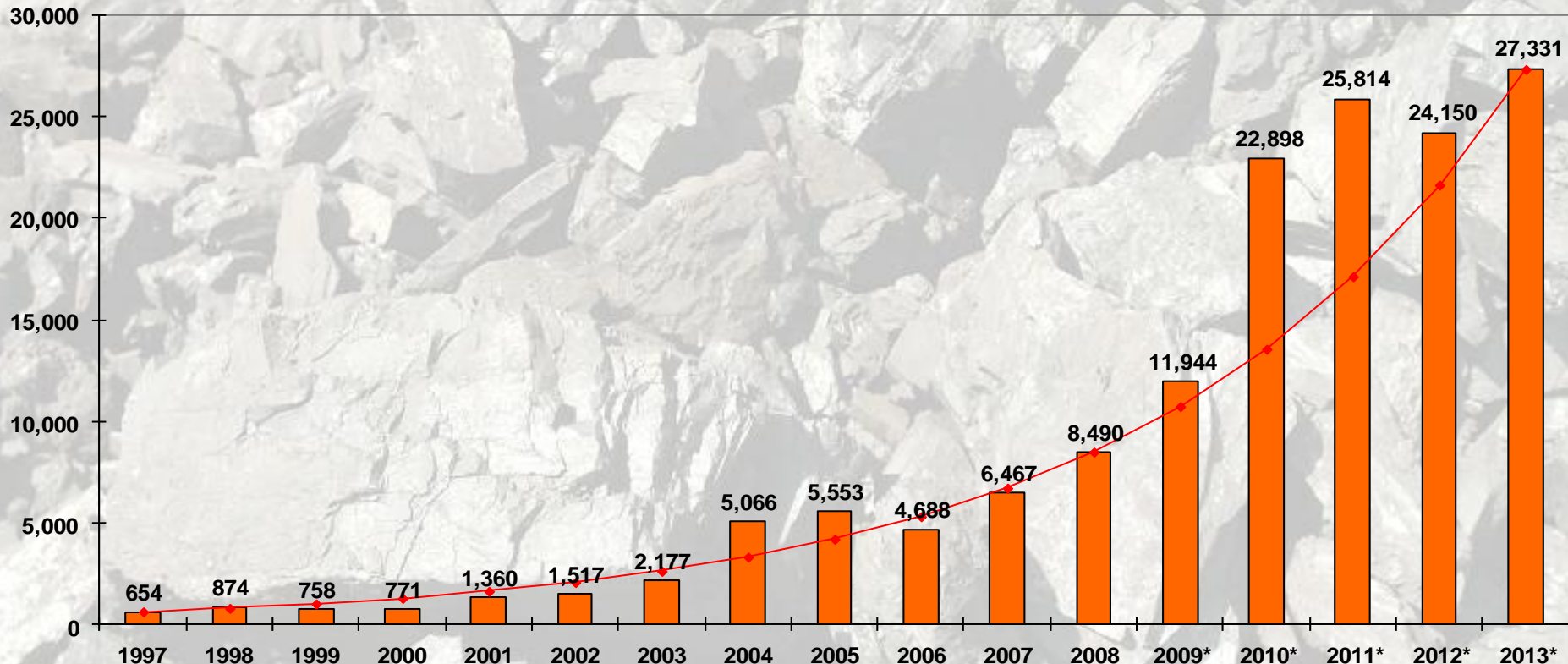
SYMBOL	BID	ASK	L/T	VOL	SYMBOL	BID	ASK	L/T	VOL	SYMBOL	BID	ASK	L/T	VOL
MFC	70000	74000	100000		TEL	244500	245100	245000	6390	APX	255	270	260	
MIC	260	270	300	1000	RPL	400	420	415		AR	00036	0004	00038	
MJI	300	310	300	1000	SECB	6000	6050	6050	73300	AT	100	100	100	22000
MJC	260	265	265	4107000	SFI	025	027	026	4440000	BC	1100	1150	1125	
MRC	1675	1715	1715	2400000	SGI	076	081	081		BSC	014			
MUSX	0075	007	0075	2300000	SHNG	178	182	180	10000	CPM	265	270	265	477500
MRC	176	178	178	975800	SLF	110000	119500	119500	20	DIZ	26	275	275	
NRCP	450	480	485	5000	SLI	071	071	070		GIS	051	052	052	150000
PAL	184	186	184	72000	SM	42750	43000	43000	41680	IS	00093	00094	00094	2500000
PAX	780	800	790		SMB	980	1000	1000		ISM	00043	0044	0044	2500000
PCEV	650	660	65		SMC	6150	6200	6200	10000	LC	025	025	025	850000
PCOR	10500	10600	10500	2000	SMCB	6850	6900	6900		LCB	0019	002	002	80000
PPREF	940	960	950	7300	SMDC	640	700	700	397000	MA	0002	002	002	473000
PHN	030	032	030	1500000	SMP	3850	3850	3850		MAB	002	0021	0021	
PIN	3550	3600	3550	358800	SMPH	1075	1100	1075	102200	NI	335			340
POP	260	240	285	850000	SPC	345	375	360		OH	00045	001	001	1000000
POPI	040	043	042		SPH	240	250	242		OPM	285323	0013		
PRC	210	230	210		SPM	040	110	098		OPMB	0012	0012	0012	
PRIM	200	209	202		SUN	039	048	046		ORE	0012	0013	0013	252000
PSB	5100	5150	5150	1000	TBGI	375	360	360		OV	0012	0013	0013	
PSE	25150	26000	26000	120	TDY	192	246	246		PA	006	0065	0065	
RCB	2050	2075	2050	77400	TOL	580	600	600		PERC	510	520	510	139000
RCM	425	440	430		TUNA	62	66	64	40000	PX	1015	1100	1100	169100
REG	154	152			URC	4250	4300	4300	100000	SINO	026	027	027	
RLC	1375	1400	1400	69700	V	13	140	140	4000	SCC	9400	9450	9400	369700
ROX	260	295	255	69700	VLL	218	220	218	368000	SOC	340	345	340	200000
					WEB	1400	1450	1450	4000	TA	116	116	110	
					WPI	025	027	027		UPM	001	0011	0011	304000
										VUL	073	077	076	380000
										ZHI	0165	018	0175	



HIGHLIGHTS

TOTAL REVENUES

In Million Pesos



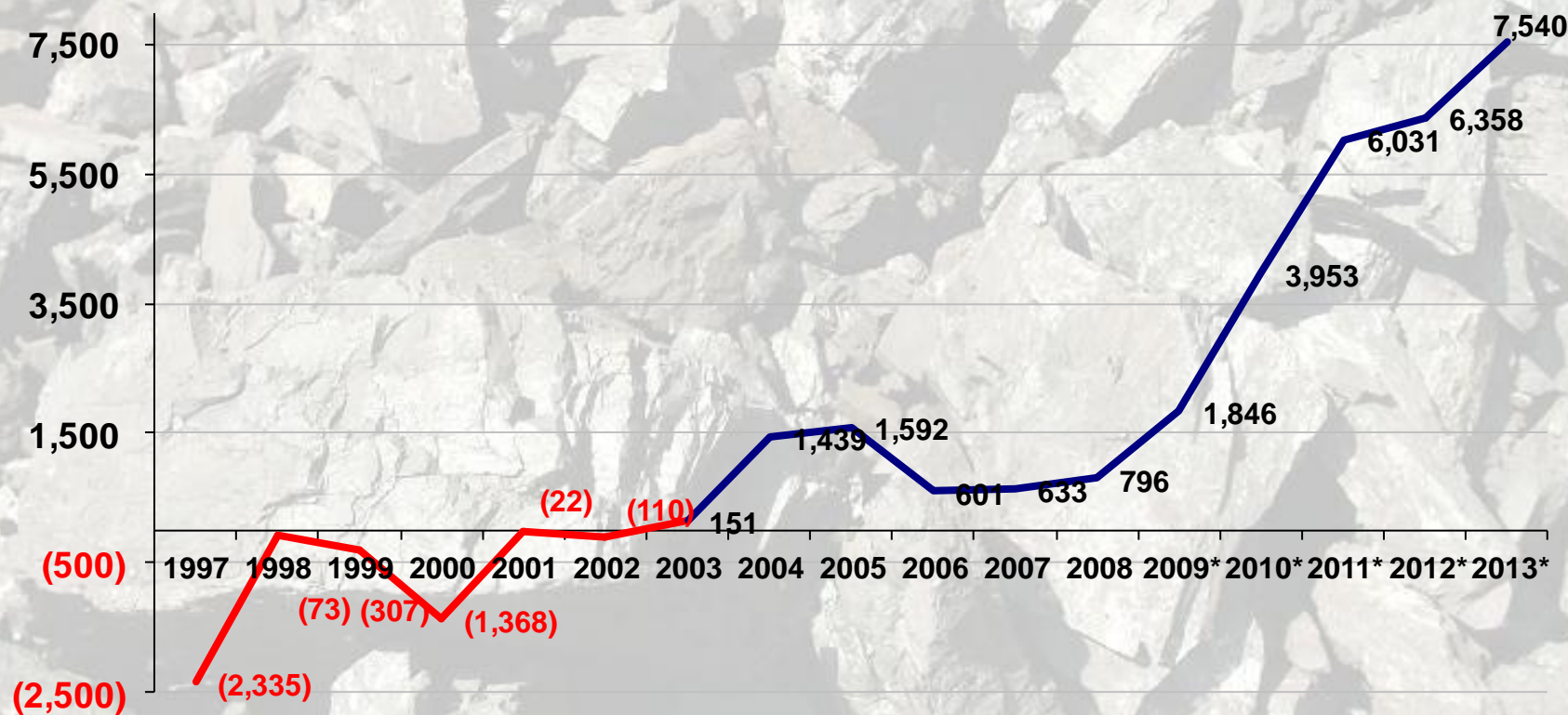
**Consolidated*

Average annual growth rate: 26%



NET INCOME AFTER TAX

In Million Pesos

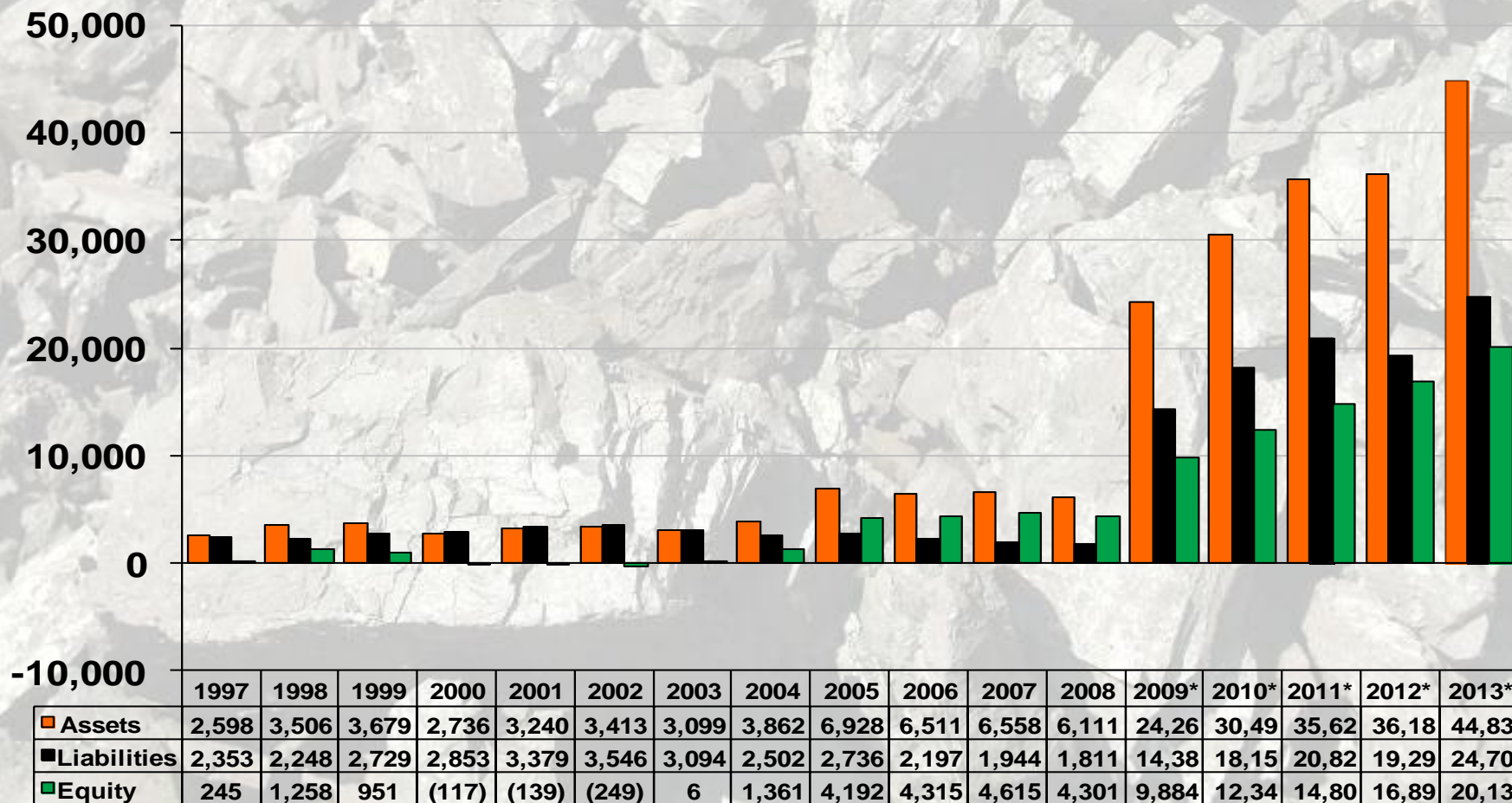


**Consolidated*



BALANCE SHEET

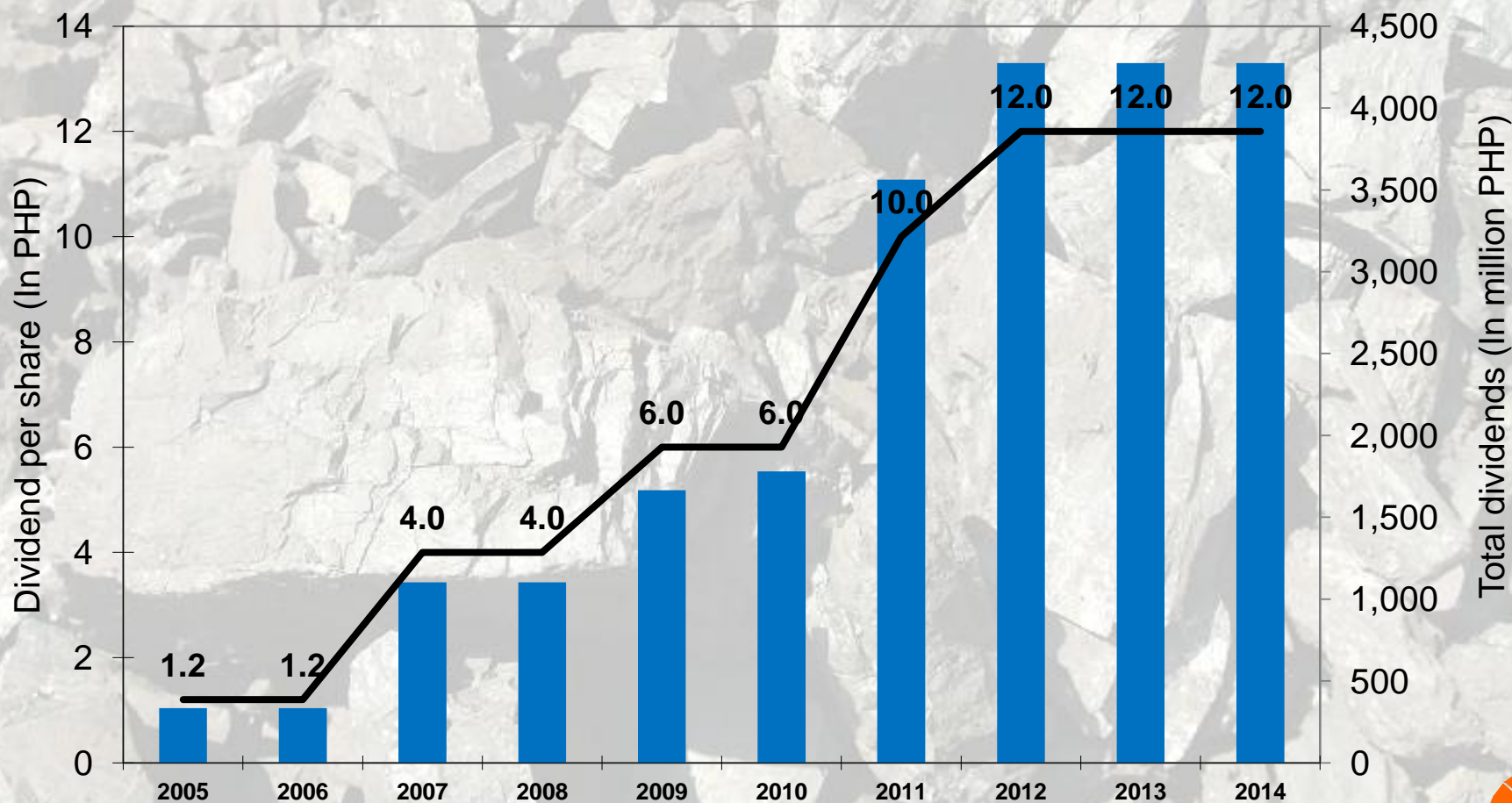
In Million Pesos



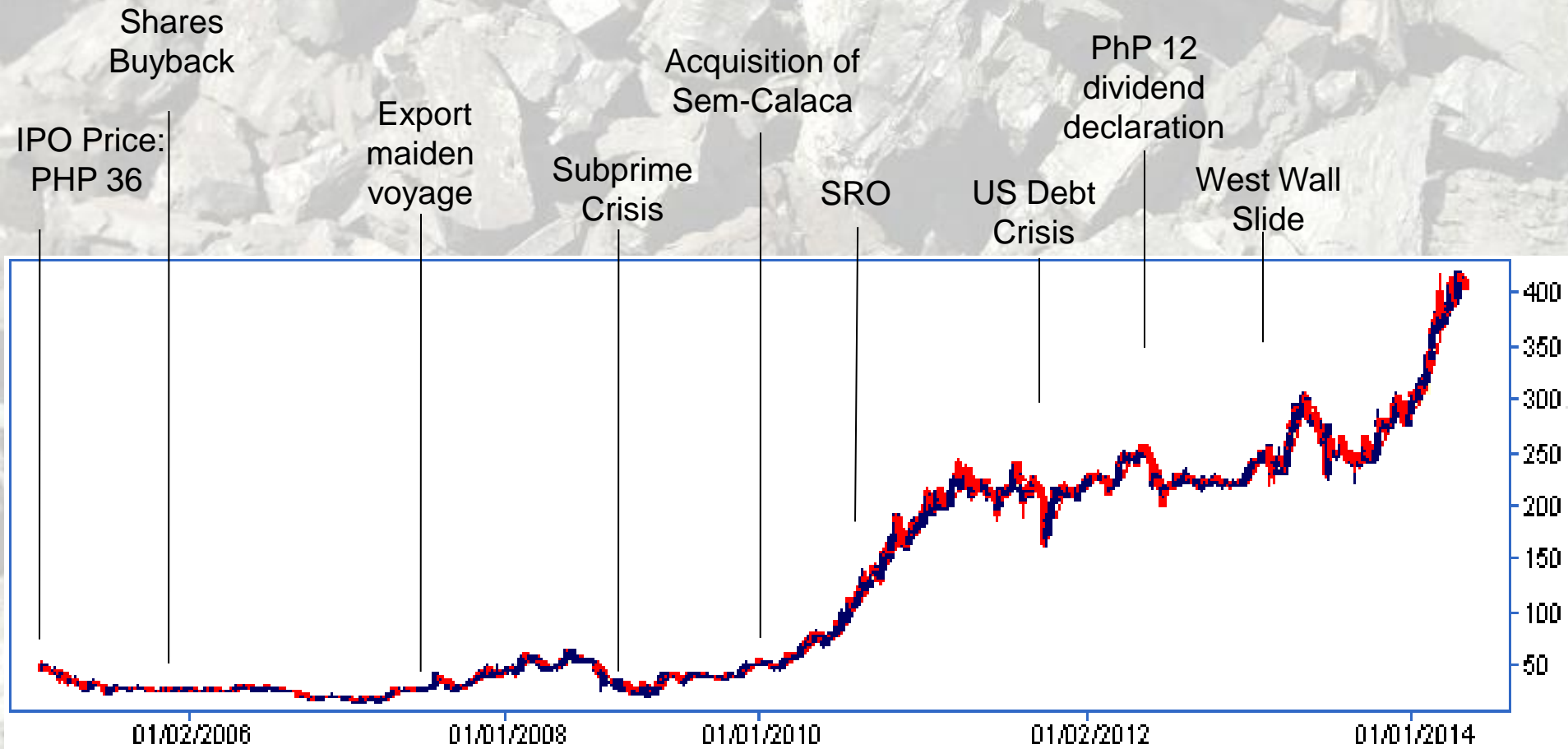
**Consolidated*



HISTORICAL DIVIDENDS



STOCK PRICE MOVEMENT

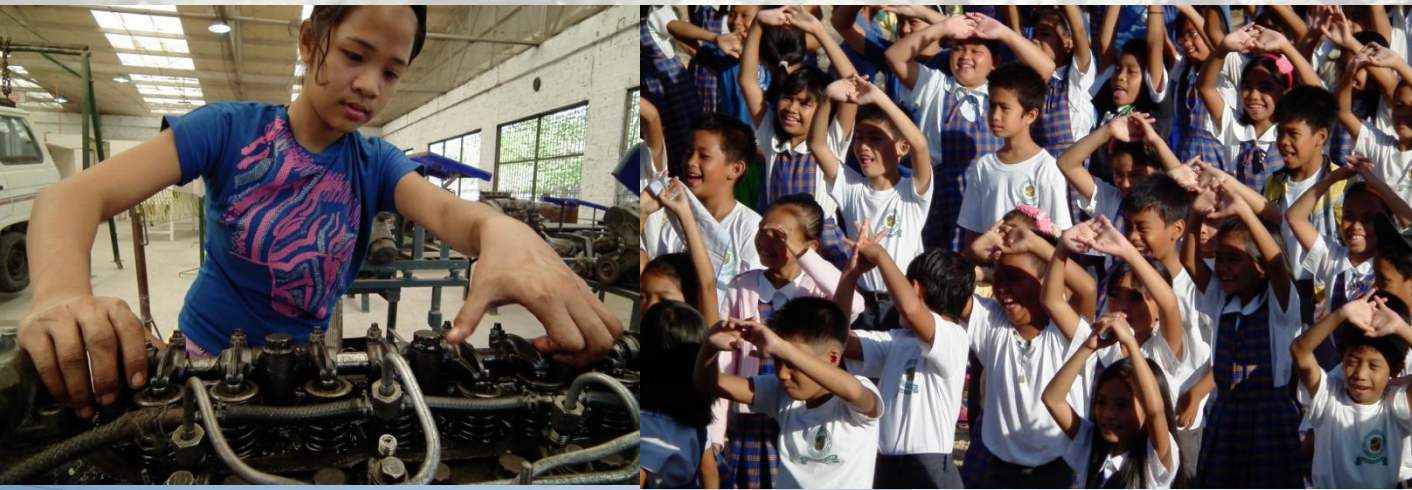


COMMUNITY SOCIAL



RESPONSIBILITY

5 E's PROGRAM



The 5 E's Program: Electrification, Education, Employment, Economics, Environmental Protection & Conservation